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(54) **SUPER-RESOLUTION BASED ON OPTICAL IMAGE STABILIZATION**

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(57) **ABSTRACT**

A system and method for creating a super-resolution image using an image capturing device. In one embodiment, an electronic image sensor captures a reference optical sample through an optical path. Thereafter, an optical image stabilization (OIS) processor to adjusts the optical path to the electronic image sensor by a known amount. A second optical sample is then captured along the adjusted optical path, such that the second optical sample is offset from the first optical sample by no more than a sub-pixel offset. The OIS processor may reiterate this process to capture a plurality of optical samples at a plurality of offsets. The optical samples may be combined to create a super-resolution image.

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